

Data Sheet | Item Number: 236-414

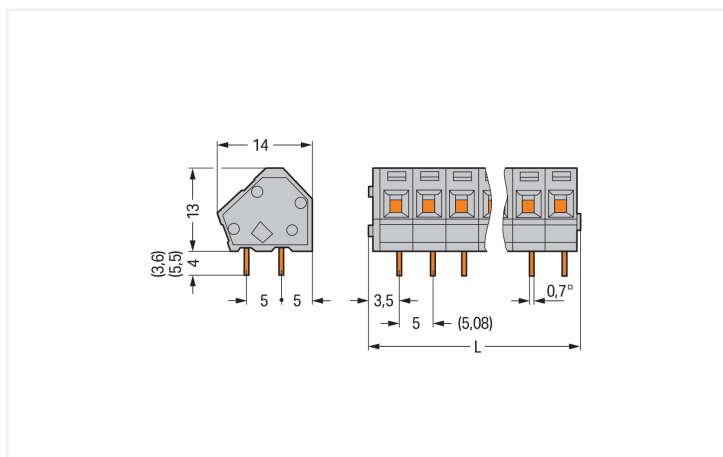
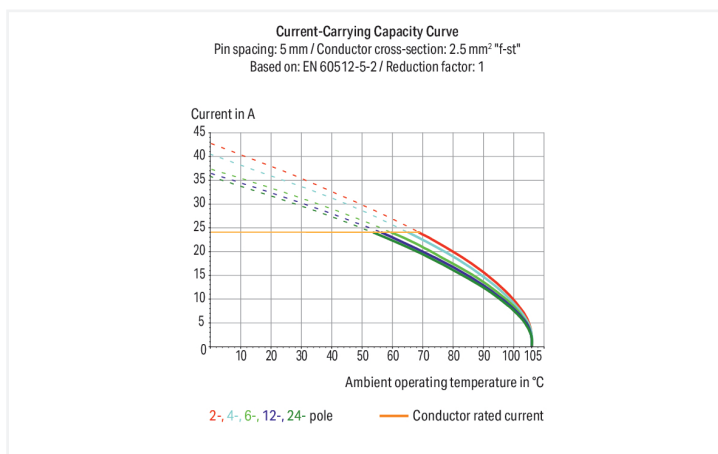
PCB terminal block; 2.5 mm²; Pin spacing 5/5.08 mm; 14-pole; CAGE CLAMP®; commoning option; gray

<https://www.wago.com/236-414>



Color: ■ gray

Similar to illustration



Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 2.3 \text{ mm}$

PCB terminal block, 236 Series, solder pin dimensions 0.7 x 0.7 mm

Easily, quickly and safely connect conductors with this PCB terminal block (item number 236-414). You can rely on tried and tested safety with these PCB terminal blocks, perfect for a host of applications when designing your devices. Strip lengths must be between 5 and 6 mm when connecting conductors to this PCB terminal block. This product incorporates one conductor terminal and utilizes CAGE CLAMP®. Our tried-and-tested universal connection known as CAGE CLAMP® is the industry standard for connection technology and electrical interconnections. This PCB terminal block is suitable for conductor cross-sections ranging from 0.08 mm² to 2.5 mm².

CAGE CLAMP® – the industry standard for connection technology

Tin is used for coating the contact surfaces. An operating tool is used to operate this PCB terminal block. THT is used to solder the PCB terminal block. The conductor is designed to be inserted at a 45° angle..

- Pin spacing: 5 mm
- Soldering via THT
- Actuation via operating tool
- The right solution for every wiring task
- Number of poles: 14



Notes	
Variants:	Other pole numbers Versions for Ex e II and Ex i Other colors Mixed-color PCB connector strips Direct marking Solder pin length: 3.6 mm Solder pin length: 5.5 mm Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .

Electrical data			
Ratings per IEC/EN		Ratings per UL	
Ratings per	IEC/EN 60664-1	Approvals per	UL 1059
Nominal voltage (III/3)	250 V	Rated voltage UL (Use Group B)	300 V
Rated impulse withstand voltage (III / 3)	4 kV	Rated current UL (Use Group B)	15 A
Rated voltage (III/2)	320 V	Rated voltage UL (Use Group D)	300 V
Rated impulse withstand voltage (III/2)	4 kV	Rated current UL (Use Group D)	10 A
Nominal voltage (II/2)	630 V		
Rated impulse withstand voltage (II/2)	4 kV		
Rated current	24 A		
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2		

Ratings per CSA	
Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection Data			
Clamping units	14	Connection 1	
Total number of potentials	14	Connection technology	CAGE CLAMP®
Number of connection types	1	Actuation type	Operating tool
Number of levels	1	Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
		Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm²
		Note (conductor cross-section)	12 AWG: THHN, THWN
		Strip length	5 ... 6 mm / 0.2 ... 0.24 inches
		Conductor connection direction to PCB	45 °
		Pole number	14



Physical data		
Pin spacing		5/5.08 mm / 0.197/0.2 inches
Width		72.3 mm / 2.846 inches
Height from the surface		13 mm / 0.512 inches
Depth		14 mm / 0.551 inches
Solder pin dimensions		0.7 x 0.7 mm
Drilled hole diameter		1.1 (+0.1) mm

PCB contact		
PCB contact		THT
Solder pin arrangement		over the entire terminal strip (in-line)
Number of solder pins per potential		2

Material data		
Note (material data)		Information on material specifications can be found here
Color		gray
Material group		I
Insulation material (main housing)		Polyamide (PA66)
Flammability class per UL94		V0
Clamping spring material		Chrome-nickel spring steel (CrNi)
Contact material		Electrolytic copper (E _{Cu})
Contact Plating		Tin
Fire load		0.158 MJ
Weight		12.4 g

Environmental requirements		
Limit temperature range		-60 ... +105 °C

Commercial data		
Product Group		4 (Printed Circuit Connectors)
PU (SPU)		60 (15) pcs
Packaging type		Box
Country of origin		CH
GTIN		4044918770866
Customs tariff number		85369010000

Product Classification		
UNSPSC		39121409
ETIM 10.0		EC002643
ECCN		NO US CLASSIFICATION



Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Approvals for marine applications		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 1059	UL-US-2406095-1	BV Bureau Veritas S.A.	IEC 60998	11915/E0 BV

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 236-414	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	
Gebrückte Klemmenleis- ten für Leiterplatten		pdf 303.71 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 236-414	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Stickers with operating instructions

1.1.1.1 Stickers with operating instructions



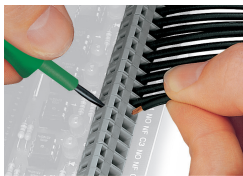
Item No.: 210-191
Stickers for operating instructions; for PCB
terminal blocks; 236 Series

Installation Notes

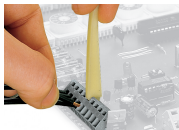
Conductor termination



Inserting a conductor via 3.5 mm screwdriver.
Screwdriver actuation parallel to conductor entry



Inserting a conductor via 3.5 mm screwdriver.
Screwdriver actuation perpendicular to conductor entry



Inserting a conductor via operating tool.



Compared to standard screwdrivers, these operating tools are far more convenient for wiring PCB terminal strips at factory.

Installation



PCB Terminal Strips placed behind each other save space – staggering them by half the pin spacing simplifies subsequent wiring of the first row.

Installation



Combining PCB terminal blocks with different pin spacing.

Marking



Optional: Labeling via factory direct marking.



Optional: Labeling with self-adhesive marking strips possible